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BOARD OF PATENT APPEALS  
AND INTERFERENCES

KEITH ALLEN WALKER, Ph.D.  
CURRICULUM VITAE

**HOME**

13315 Roxton Circle  
San Diego, CA 92130  
(619)792-5850

**OFFICE**

Mycogen Corporation  
4980 Carroll Canyon Road  
San Diego, CA 92121  
(619)453-8030

**PERSONAL**

Date of Birth: October 17, 1948  
Health: Excellent  
Marital Status: Married, two children

**EDUCATION**

College College of Wooster, Wooster, Ohio  
B.A., June, 1970  
Major: Biology Minor: Chemistry  
Awards: Honors in Biology

Graduate School Yale University, New Haven, Connecticut  
Ph.D., Biology, June, 1974  
Major: Cellular, Genetic, and Developmental  
Biology  
Thesis: The Metabolism of Phytic Acid in  
*Phaseolus vulgaris* L.

Awards: Joseph F. Retger Fellow  
September, 1970 - June, 1971  
NIH Predoctoral Fellow  
June, 1971 - June, 1974

**PROFESSIONAL EMPLOYMENT**

December 1992 to Present Director, Planning and Licensing  
MYCOGEN CORPORATION

**Duties:** Responsible to Executive Vice President for business and corporate development and technology planning and licensing. Implements specific business and technology opportunities across all company divisions. Leads/participates, as required, in negotiating/monitoring third-party relationships.

July 1989 Executive Director, Development & Licensing

WALKER \$1.132  
DECLARATION  
ATTACHMENT 1

ALL-STATE LEGAL SUPPLY CO.

**KEITH ALLEN WALKER**  
**CURRICULUM VITAE**  
**PROFESSIONAL EMPLOYMENT**

**December 1992      AGRIGENETICS COMPANY**

**Duties:** Responsible to V.P. Research, and Divisional CEO for the identification, analysis and implementation of specific business/R&D opportunities for the business unit. Manages the technology asset base and intellectual property of the business unit to maximize its impact on the business. Participates as required in developing, negotiating and monitoring third-party business/technology relationships.

**September 1982      Vice President, Research**  
**June 1989            Director and Co-Founder**  
**PLANT GENETICS, INC.**

**Duties:** Administrative responsibility for the Research Department, P&L responsibility for circa \$1.8 mm in R&D contracts. Launched products in three areas: alfalfa, tomato, and potato which generated circa \$7 mm in sales in FY 1989. Research spans all phases of Plant Biotechnology including: Molecular Biology, Biochemistry, Genetics, Breeding and Pathology. Comprehensive and tactical technical plans. Responsible for providing the technology derived from fundamental and exploitive research to enable the Company to meet its business objectives. Chief Science Officer of the Corporation and member of the Board of Directors.

**June 1981            Director, Product Development and**  
**September 1982    Co-Founder**  
**PLANT GENETICS, INC.**

**Duties:** Responsible for organizing the Company's research and development effort from organization phase through first 15 months of operation. Supervised Research and Development groups. Assisted in the formulation of corporate business and technical strategy.

**November 1979      Senior Research Group Leader, MAPC**  
**June 1981            MONSANTO AGRICULTURAL PRODUCTS CO.**

**Duties:** Supervised research activities of a staff of Ph.D., M.S., B.S., and non-degreed scientists. Administered exploratory research program in the area of plant cell culture and somatic cell genetics. Developed new exploratory programs in agricultural sciences aimed toward the development of proprietary technology.

**November 1976      Research Group Leader, MAPC**

**KEITH ALLEN WALKER**  
**CURRICULUM VITAE**  
**PROFESSIONAL EMPLOYMENT**

**November 1979      MONSANTO AGRICULTURAL PRODUCTS CO.**

**Duties:** Same as above.

**June 1974 -      Senior Research Biologist, MAPC**  
**November 1976      MONSANTO AGRICULTURAL PRODUCTS CO.**

**Duties:** The execution of an exploratory research program in plant cell and tissue culture.

**Honor and Awards:** Achievement Award, 1976.

**AREAS OF PROFESSIONAL EXPERTISE**

General management of research and development, strategic technical planning, plant cell biology, plant tissue culture, somatic cell genetics, whole plant physiology, screening programs.

**ORGANIZATIONS AND OTHER**

- Sigma Xi
- American Society for Plant Physiologists
- Crop Science Society of America
- American Society of Agronomy
- Licensing Executives Society
- Association for the Advancement of Industrial Crops
- American Oil Chemists' Society
- Who's Who in the West
- Who's Who in Emerging Leaders in America
- Associate Editor, Plant Cell Tissue and Organ Culture, 1986-Present
- Member, Board of Trustees, Hydroponics Society of America, 1988-89
- Chairman, Gordon Research Conference on Plant Cell and Tissue Culture, 1987

**KEITH ALLEN WALKER**  
**CURRICULUM VITAE**  
**PROFESSIONAL EMPLOYMENT**

**PUBLICATIONS**

- Walker, K.A. 1974. The Metabolism of Phytic Acid in *Phaseolus vulgaris* L., Ph.D. Thesis, Yale University, New Haven, Connecticut.
- Walker, K.A. 1974. Changes in Phytic Acid and Phytase During Early Development of *Phaseolus vulgaris* L., *Planta*, 116:91-98.
- Walker, K.A.; Yu, P.C.; Sato, S.J. and E.G. Jaworski. 1978. The Hormonal Control of Organ Formation in Callus of *Medicago sativa* L. Cultured *in vitro*, *Am. J. Bot.*, 65:654-659.
- Walker, K.A.; Wendeln, M.L. and E.G. Jaworski. 1979. Organogenesis in Callus Tissue of *Medicago sativa*. Temporal Separation of Induction Processes, *Plant Sci. Letters*, 16:23-30.
- Walker, K.A. 1980. Polyploidy in Agriculture: Summary. In *Polyploidy*, Lewis, W., Ed., Plenum Press, New York, pp. 491-493.
- Walker, K.A. and S.J. Sato. 1981. Morphogenesis in Callus Tissue of *Medicago sativa*: The Role of Ammonium Ion in Somatic Embryogenesis, *Plant Cell Tissue Organ Culture* 1:109-121.
- Walker, K.A. and C.J. Sluis. 1983. *In vitro* Plant Production - Costs and Methodologies. Proceedings Biotechnology Conference, Battelle Columbus Laboratories. December 1983.
- McCoy, T. and K.A. Walker. 1984. Alfalfa. *Handbook of Plant Cell Culture*, Vol. 3, MacMillan Press, pp. 171-193.
- Sluis, C.J. and K.A. Walker. 1985. Commercialization of Plant Tissue Culture Propagation. *Newsletter. International Association of Plant Tissue Culture*. #47.
- Stuart, D.A.; Nelson, J.; McCall, C.M.; Strickland, S.G. and K.A. Walker. 1985. Physiology of the Development of Somatic Embryos in Cell Cultures of Alfalfa and Celery. *Biotechnology in Plant Science: Relevance to Agriculture in the Eighties*. Milton Zaitlin, Peter Day and Alexander Hollaender. Eds. pp. 35-47. Redenbaugh, K.; Paasch, B.; Nichol, J.; Kossler, M.; Viss, P. and K. Walker. 1986. Somatic Seeds: encapsulation of asexual embryos. *Biotechnology*, Vol. 4, 9/86.
- Walker, K.A. 1986. Automation of *In Vitro* Plant Propagation: Has the Time Finally Arrived? *Genetic Engineering News*. July 1986.

**KEITH ALLEN WALKER**  
**CURRICULUM VITAE**  
**PROFESSIONAL EMPLOYMENT**

Bingham, T.; McCoy, T. and K.A. Walker. 1988. Tissue Culture Genetic Engineering. Alfalfa Science and Technology, 2nd Edition. 1988.

Redenbaugh, K. and K. Walker. 1990. Role of Artificial Seeds in Alfalfa Breeding. In Plant Tissue Culture: Applications and Limitations. S.S. Bhojwani, Ed. Elsevier, NY, NY. pp. 102-135.

Walker, K.A. 1992. Commercializing New Crops: Measuring the Opportunity. 2nd New Crops Symposium (in press).

Keith A. Walker, Ph.D., Director, Planning and Licensing, Mycogen Corporation.